Illinois Number Theory Conference
May 27–28, 2011
University of Illinois at Urbana-Champaign

Friday, May 27, 314 Altgeld Hall

9:00  REGISTRATION

9:30  Paul Pollack (University of Illinois), Parity of the multiplicative partition function

10:00 Youness Lamzouri (University of Illinois), Prime number races

COFFEE & TEA

11:00 Jingjing Huang (Penn State University), Binary Egyptian fractions

11:30 Taiyu Li (Shandong University and Towson University), Sums of almost equal squares of primes

LUNCH BREAK

2:00  George Purdy (University of Cincinnati), Smooth number estimates with applications to stereo vision

2:30  Sam Wagstaff (Purdue University), How often does $2kp + 1$ divide $p^p - 1$?

COFFEE & TEA

3:30  Robert Marshawn Walker (University of Illinois), Deducing a $q$-analog of Fleck’s Congruence

4:00  Kit Ho Mak (University of Illinois), Maximal curves and the subcover problem

4:30  Peter Jaehyun Cho (University of Toronto), The strong Artin conjecture and number fields with large class numbers

Saturday, May 28, 314 Altgeld Hall

9:00  Robert Vaughan (Penn State University), Waring’s problem, Beatty sequences, and related questions

10:00 Johann Thiel (University of Illinois), Number theory, probability, and the American flag

COFFEE & TEA

11:00 Anna Haensch (Wesleyan University), Almost universal ternary sums of squares and triangular numbers

11:30 Mojtaba Moniri (Western Illinois University), Transcendental reals of low Sturmian complexity